CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
SAN DIEGO REGION

SUPPLEMENTAL ENVIRONMENTAL PROJECT (SEP)
EVALUATION FORM 7/00

Assigned Project Number: SEP01-003

Name of Project: Mission Bay Human Pathogenic Viruses and Epidemiology Combined Study (Epidemiology Study) (SEP00-XXX)

Cost of SEP: $700,000

Total Project Cost (if different from SEP): $1,675,290

Project Requested by: City of San Diego
Date of Request: July 23, 2001
Point of Contact: Karen Henry

Does the project partially or totally satisfy a regulatory requirement of the Regional Board or any other state, federal or local agency?

____ **YES** [if YES, the proposal is disqualified from SEP consideration.] (However, the proposal might qualify as a *Corrective Active Project* and might be submitted separately for such consideration.)

_✓_ **NO** [if NO, complete the attached project evaluation form]

PROJECT EVALUATION CONSIDERATIONS:

I. **General Project Attributes**
II. **Water Quality Attributes**
III. **Beneficial Use Attributes**
  (a) **General Beneficial Use Attributes**
  (b) **Invasive Species Attributes**
IV. **Monitoring Program Attributes**
  (a) **Water Column Monitoring**
  (b) **Biological Monitoring**
  (c) **Sediment Chemistry Monitoring**
V. **Public Education and/or Outreach Attributes**
VI. **Clarity of Project**
VII. **Project Trustee/Applicant Attributes**
VIII. **Funding Attributes**

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CONSIDERATION	NO/LOW	MODERATE	YES/HIGH
I. General Project Attributes			
The project goes significantly beyond that which might be reasonably expected of the applicant or others as part of normal operating procedures.			✓
The project is not directly related to any activity that would normally be expected of the applicant or others.			✓
II. Water Quality Attributes			
The project will reduce the generation of NPS pollution. (1)		✓	
The project can be expected to directly contribute to an improvement in water quality within inland surface waters.	✓		
The project can be expected to directly contribute to an improvement in ground water.	✓		
The project can be expected to directly contribute to an improvement in water quality within coastal marine surface waters. (1)		✓	
The project will improve water quality in a 303(d) listed water body. (2)			✓
The project proposes clear methods by which to measure the expected improvement in water quality. (1)		✓	
The project is part of a comprehensive strategy of source reduction and pollutant treatment to improve water quality within the subject project areas. (3)			✓
III. Beneficial Use (B.U.) Attributes			
(a) General B.U. Attributes			
The project can be expected to directly contribute to a significant enhancement and/or restoration of the following beneficial uses:			
REC-1/REC-2 (1)		✓	
MUN	✓		
COLD/WARM/WILD		✓	
MAR/EST (1)		✓	
The project will preserve critical wetland/riparian/estuarine/marine habitat through land acquisition. (1)		✓	
The project will create or restore wetland/riparian/estuarine/marine habitat through the removal of fill.	✓		
The project proposes clear measures by which to measure the success in enhancing/restoring beneficial uses.	✓		
The project is part of an adopted enhancement plan.		✓	
The project is part of an adopted watershed management plan.	✓		

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CONSIDERATION	NO / LOW	MODERATE	YES / HIGH
(b) Invasive Species Attributes			
The project will effectively remove invasive, non-native biota from the project area.	✓		
The project will effectively protect against the re-infestation of invasive, non-native biota within the project area.	✓		
The project will utilize citizen monitors for a significant portion of the eradication/prevention/enhancement effort.	✓		
Because of the characteristics of the invasive species and the location(s) of the project site, it is critical for the eradication/prevention effort to be extremely prompt and effective in order: *"to protect the project site from infestation./,"*	✓		
"and to protect the watershed from infestation./,"	✓		
"and to protect the San Diego Region from infestation./,"	✓		
"and to protect California from infestation./,"	✓		
"and to protect the Pacific Coast from infestation."	✓		
IV. Monitoring Program Attributes			
(a) Water Column Monitoring			
The proposal will provide very useful information on ambient water quality conditions to the RWQCB.			✓
The proposal will provide information on the most-likely source(s) of any monitored contamination.			✓
The ambient water quality measured by this proposal can be expected to directly assist the RWQCB in the development, implementation, and/or monitoring of a TMDL. (4)			✓
The proposal will enlist citizen monitors to aid in the collection and processing of the water column monitoring data.		✓	
(b) Biological Monitoring			
The proposal will provide very useful information on the ambient condition of biota within the project area to the RWQCB.	✓		
The proposal will provide information on the most-likely source(s) of any monitored reduction in quantity and/or quality of the biota.	✓		
The ambient condition of the biota that is monitored by this proposal can be expected to directly assist the RWQCB in the development, implementation, and/or monitoring of a TMDL.	✓		
The proposal will enlist citizen monitors to aid in the collection and processing of the biological monitoring data.	✓		

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CONSIDERATION		NO / LOW	MODERATE	YES / HIGH
(c) Sediment Chemistry Monitoring				
The proposal will provide very useful information on ambient sediment quality within the project area to the RWQCB.		✓		
The proposal will provide information on the most-likely source(s) of any monitored sediment contamination.		✓		
The ambient sediment quality measured by this proposal can be expected to directly assist the RWQCB in the development, implementation, and/or monitoring of a TMDL.		✓		
The proposal will enlist citizen monitors to aid in the collection and processing of the sediment monitoring data.		✓		
V. Public Education and/or Outreach Attributes				
The project will implement a public education and outreach program that will significantly reduce pollution through a reduction in the generation of waste(s)/pollutant(s) (chemical, physical, and/or biological).	(5)		✓	
The project will implement a public education and outreach program that will significantly reduce pollution through a reduction in the discharge of waste(s)/pollutant(s) (chemical, physical, and/or biological) that have been generated [through discharge prevention and/or discharge interception and treatment].	(5)		✓	
The project will implement a public education and outreach program that will significantly reduce pollution through the active surveillance and correction of previously discharged waste(s)/pollutant(s) (chemical, physical, and/or biological) through receiving water cleanup and waste retrieval efforts.	(5)		✓	
The public education and outreach proposed by this project is significantly greater than any that might be reasonably by an NPDES municipal storm water permittee.	(5)	✓		
VI. Clarity of Project				
The proposal has a clear problem statement.				
The proposal has a clear, detailed work plan of tasks.			✓	
The proposal has a clear start date and time line for all tasks.			✓	
The proposal has a clear budget for all tasks.			✓	

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CONSIDERATION	NO/LOW	MODERATE	YES/HIGH
VII. Project Trustee/Applicant Attributes			
The project trustee has experience in completing tasks equivalent to those being proposed.			✓
The project trustee has the capability or commitments to ensure that the project will be complete.			✓
The project trustee has the ability/-authority to receive and disburse funds.			✓
The project trustee provides a clear understanding, capability, and commitment to comply with all necessary environmental permitting issues.			✓
The project trustee has a demonstrated commitment to continue the water quality/restoration effort into the future, beyond the elements which are sought for SEP funding.			✓
The project has documented support from environmental and/or public agency and interest groups			✓
VIII. Funding Attributes			
The requested amount of SEP funds is a cost-effective means of attaining the project goals. (6)			✓
The requested amount of SEP funds will be used as leverage to obtain a substantial amount of additional funding, that would otherwise not be available.			✓
The project can be expected to provide a nucleus for additional funding and activities in the future.			✓
Without SEP funding, the project would not likely be initiated within at least three or more years.			✓
			✓
Subtotal Scores*			
(* Low/No=0; Moderate=1; High/Yes=2)	12	42	
Total Score =			54

Project Number: SEP01-003

Project Name: **Mission Bay Human Pathogenic Viruses and Epidemiology Combined Study (Epidemiology Study Contribution)**

Comments:

1. The proposed study, by itself, will not reduce non-point source pollution. However, future implementation projects based on the findings and conclusions of this study should reduce non-point source pollution, improve water quality, and beneficial uses.

2. The entirety of Mission Bay is currently listed on the 303(d) list for coliform impairment. The area of Mission bay near the mouth of Rose Creek has a lead impairment, and the area near the mouth of Tecolote Creek has an eutrophication impairment.

3. The Epidemiology Study is the second phase of work to be performed in the Mission Bay Human Pathogenic Viruses and Epidemiology Combined Study. The pathogenic virus portion of the study was recently funded by the State Water Resources Control Board's Cleanup and Abatement Account in the amount of $975,290. This project will provide funding for the epidemiology portion of the study.

4. A TMDL is currently underway for Mission Bay. Any and all data collected as a result of this study will assist the RWQCB in the development, implementation, and/or monitoring of the TMDL.

5. Based on the results obtained from this study, public education and outreach through signs, i.e., no dumping, public health threat, etc., would be considered significantly greater than any that might be reasonably expected by an NPDES municipal storm water permit.

6. Based on review of a similar study conducted in Santa Monica Bay, the cost of this project appears to be equivalent or slightly less.

General Comments:

This project consists of the City of San Diego providing the Southern California Coastal Water Research Project (SCCWRP) funding in the amount of $700,000 to conduct an existing project that has RWQCB staff review and approval to provide useful data to be used in the Mission Bay TMDL. SCCWRP was selected by the RWQCB to conduct this study. Project completion will be determined when the City provides proof that funding in the amount of $700,000 has been delivered to SCCWRP no later than 30 days after adoption of tentative Order No. 2001-174. This project requires minimal RWQCB staff oversight to ensure timely and accurate completion and is therefore highly favorable.